

UNCLASSIFIED

February 21, 1997

**Defense Information Infrastructure (DII)
Common Operating Environment (COE)
Security Compliance (SeComp) Tool
Version Description Document (VDD)**

**Version 1.0.0.2
Draft**

Prepared by:

**Science Applications International Corporation
8301 Greensboro Drive
McLean, Virginia 22102**

UNCLASSIFIED

Table of Contents

Section	Page Number
1. Introduction	1
2. Hardware	2
3. Software.....	3
4. Documentation.....	4

1. Introduction

The Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) tool provides functions and procedures to determine if, where, when, and how COE kernel function and application segments might be disruptive to a system security configuration. The SeComp tool examines and reports on the configuration items identified in the DII Security Checklist.

The SeComp tool is not segmented and is delivered as part of the Developers ToolKit. This document will provide overview information pertaining to the hardware, software, and documentation baseline of the SeComp tool.

2. Hardware

The SeComp tool is capable of executing on both the Solaris and HP-UX platforms. There are two versions of the software, one for the Solaris 2.3/2.5 and HP 9.0.7/10.X, that have been developed. Additionally, the SeComp tool will be ported and integrated for upcoming versions of other UNIX-based platforms certified for DII COE operation.

3. Software

The SeComp tool is implemented entirely in UNIX shell scripts. For the Solaris implementation, the Bourne shell script language is used. For the HP-UX implementation, the Posix shell script language is used.

The SeComp tool incorporates the use of the Crack password vulnerability program. This program is delivered with the SeComp tool and includes a pre-compiled binary. The source for the Crack program is also included in the event re-compilation is desired or necessary¹. No compiler is provided.

¹ The Crack executable program delivered is compiled using a GNU compiler. There is seldom reason to recompile the Crack programs.

4. Documentation

In addition to this VDD, the document baseline for the SeComp tool is as follows:

- Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool Software Requirements Specification (SRS), Version 1.0.0.2, 21 February 1997.
- Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool Software Test Plan (STP), Version 1.0.0.2, 21 February 1997.
- Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool Software Test Description (STD), Version 1.0.0.2, 21 February 1997.
- Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool System Test Report (STR), Version 1.0.0.2, 21 February 1997.
- Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool Installation Procedures (IP), Version 1.0.0.2, 21 February 1997.
- Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool System Administrators Manual (SAM), Version 1.0.0.2, 21 February 1997.

All other DII COE Configuration Management documentation requirements were waived by the DII Chief Engineer in the Critical Design Review (CDR) held on behalf of the SeComp delivery on 17 January 1997.